

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 19658  
Application ID: 10065680  
Title of Invention: OPTO-ELECTRIC DEVICE FOR  
MEASURING THE ROOT-MEAN-  
SQUARE VALUE OF AN  
ALTERNATING CURRENT  
VOLTAGE  
First Named Inventor: Stuart Kingsley  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-11-08  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: D597.Con  
Digital Certificate Holder: cn=Phillip J. Pollick, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: v3pBa1WoAlEeKv5Lw6FLvA==  
Total Fees Authorized: \$706.0  
Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*\*0011  
Expiration Date: 05312004  
Card Holder Name: Philip J. Pollick  
RAM User ID: EFSPROD  
RAM Accounting Date: 2002-11-08  
RAM Sequence Number: 561359  
RAM Payment Status: RAM success  
Postal Code: 43214

# TRANSMITTAL FORM

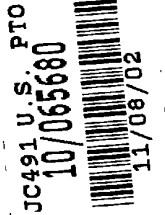
Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

D597.Con



## OPTO-ELECTRIC DEVICE FOR MEASURING THE ROOT-MEAN- SQUARE VALUE OF AN ALTERNATING CURRENT VOLTAGE

First Named Inventor: Stuart A. Kingsley

### SUBMITTED BY

Name:	Philip J. Pollick
Registration Number:	29692
Electronic Signature Mark: PJP	Date Signed: 20021108

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration

Declar-1.tif

declaration	Declar-2.tif
declaration	Declar-3.tif
fee-transmittal	D597-Conftee.xml
specification	ApD597Cn.xml
bibd-transmittal	D597-Conapds.xml

Attached Image File(s):

Declar-1.tif  
Declar-2.tif  
Declar-3.tif

**Comments:**

Prior Application Information: Examiner: Vinh P Nguyen Group Art Unit: 2829

COI

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (10-00)

Approved for use through 10/31/2002 OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Docket Number</b>	D597
	<b>First Named Inventor</b>	Stuart A. Kingsley
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	09 / 610,544
	<b>Filing Date</b>	July 4, 2000
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTRO-OPTICAL ROOT-MEAN-SQUARED VOLTAGE CONVERTER**  
*(Title of the Invention)*

the specification of which

☐ is attached hereto  
 OR  
☒ was filed on (MM/DD/YYYY) **07/04/2000** as United States Application Number or PCT International Application Number **09/610,544** and was amended on (MM/DD/YYYY) (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
60/143,118	July 09, 1999	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto


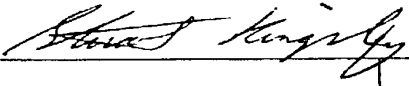
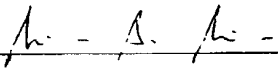
[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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## DECLARATION — Utility or Design Patent Application


Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number or Bar Code Label				OR <input checked="" type="checkbox"/> Correspondence address below	
Name Philip J. Pollick		27734 PATENT TRADEMARK OFFICE			
Address P.O. Box 141510					
Address					
City Columbus			State OH		ZIP 43214-6510
Country United States of America		Telephone 614 263 8990		Fax 614 263 2110	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon					
NAME OF SOLE OR FIRST INVENTOR :			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Stuart A.			Family Name or Surname Kingsley		
Inventor's Signature 			Date 1/29/01		
Residence: City Bexley		State OH		Country US	
Citizenship US					
Mailing Address 545 Northview Drive					
Mailing Address					
City Columbus		State OH		ZIP 43209	
Country US					
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Sriram S			Family Name or Surname Sriram		
Inventor's Signature 			Date 29 Jan 2001		
Residence: City Powell		State OH		Country US	
Citizenship US					
Mailing Address 664 Petworth Court					
Mailing Address					
City Powell		State OH		ZIP 43065	
Country US					
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto					

[Page 2 of 2]

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S) Supplemental Sheet</b> Page <u>1</u> of <u>1</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Meindert		Kleefstra	
Inventor's Signature 		Date <u>1/30/01</u>	
Residence: City <u>Salmon Creek</u>	State <u>WA</u>	Country <u>US</u>	Citizenship <u>NL</u>
Mailing Address <u>12401 Northeast 6th Court</u>			
Mailing Address			
City <u>Vancouver</u>	State <u>WA</u>	ZIP <u>98685</u>	Country <u>US</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Small Entity

Small Business Concern

**TOTAL FEES AUTHORIZED: \$ 706**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 0011  
 Expiration Date: 20040531  
 Authorized Name: Philip J. Pollick  
 Billing Address: 43214

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	2001	\$ 370

Subtotal For Basic Filing Fee: \$ 370

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	2202	\$ 9	0	\$ 0
Independent Claims: 11	2201	\$ 42	8	\$ 336

Subtotal For Extra Claims Fees: \$ 336